

COC # 102

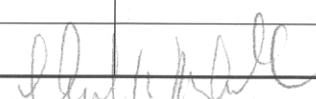
11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711


(425) 420-9200 FAX 420-9210
(509) 924-9210 FAX 924-9290
(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M106065

CLIENT: BRISTOL		INVOICE TO: BRISTOL												TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around; font-size: small;"> 10754321<1 </div> STD. Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around; font-size: small;"> 54321<1 </div> STD. OTHER Please Specify _____ <small>*Turnaround Requests less than standard may incur Rush Charges.</small>																																																																																																																																																																																																																																																																																																																																																		
REPORT TO: ANNE KRANAWETTER																		P.O. NUMBER: 21090																																																																																																																																																																																																																																																																																																																																														
ADDRESS: AMCHITKA ISLAND, ALASKA		<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="16">REQUESTED ANALYSES</th> <th>MATRIX (W, S, O)</th> <th># OF CONT.</th> <th>COMMENTS</th> <th>NCA WO ID</th> </tr> </thead> <tbody> <tr><td>1.</td><td>01AMC41039L</td><td>6/21/01</td><td>17 40</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>S</td><td>1</td><td></td><td></td></tr> <tr><td>2.</td><td>01AMC41045L</td><td>6/21/01</td><td>17 45</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>S</td><td>1</td><td></td><td></td></tr> <tr><td>3.</td><td>01AMC41055L</td><td>6/21/01</td><td>17 50</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>S</td><td>1</td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>12.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>13.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>14.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>15.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>																REQUESTED ANALYSES																MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID	1.	01AMC41039L	6/21/01	17 40	✓													S	1			2.	01AMC41045L	6/21/01	17 45	✓													S	1			3.	01AMC41055L	6/21/01	17 50	✓													S	1			4.																					5.																					6.																					7.																					8.																					9.																					10.																					11.																					12.																					13.																					14.																					15.																				
REQUESTED ANALYSES																		MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID																																																																																																																																																																																																																																																																																																																																											
1.	01AMC41039L	6/21/01	17 40	✓													S	1																																																																																																																																																																																																																																																																																																																																														
2.	01AMC41045L	6/21/01	17 45	✓													S	1																																																																																																																																																																																																																																																																																																																																														
3.	01AMC41055L	6/21/01	17 50	✓													S	1																																																																																																																																																																																																																																																																																																																																														
4.																																																																																																																																																																																																																																																																																																																																																																
5.																																																																																																																																																																																																																																																																																																																																																																
6.																																																																																																																																																																																																																																																																																																																																																																
7.																																																																																																																																																																																																																																																																																																																																																																
8.																																																																																																																																																																																																																																																																																																																																																																
9.																																																																																																																																																																																																																																																																																																																																																																
10.																																																																																																																																																																																																																																																																																																																																																																
11.																																																																																																																																																																																																																																																																																																																																																																
12.																																																																																																																																																																																																																																																																																																																																																																
13.																																																																																																																																																																																																																																																																																																																																																																
14.																																																																																																																																																																																																																																																																																																																																																																
15.																																																																																																																																																																																																																																																																																																																																																																
PHONE: 907-770-0974 FAX: 770 0975																																																																																																																																																																																																																																																																																																																																																																
PROJECT NAME: AMCHITKA																																																																																																																																																																																																																																																																																																																																																																
PROJECT NUMBER: 21090																																																																																																																																																																																																																																																																																																																																																																
SAMPLED BY: Charlie																																																																																																																																																																																																																																																																																																																																																																
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	HCLD																																																																																																																																																																																																																																																																																																																																																														
1. 01AMC41039L	6/21/01 17 40	✓																																																																																																																																																																																																																																																																																																																																																														
2. 01AMC41045L	6/21/01 17 45	✓																																																																																																																																																																																																																																																																																																																																																														
3. 01AMC41055L	6/21/01 17 50	✓																																																																																																																																																																																																																																																																																																																																																														
4.																																																																																																																																																																																																																																																																																																																																																																
5.																																																																																																																																																																																																																																																																																																																																																																
6.																																																																																																																																																																																																																																																																																																																																																																
7.																																																																																																																																																																																																																																																																																																																																																																
8.																																																																																																																																																																																																																																																																																																																																																																
9.																																																																																																																																																																																																																																																																																																																																																																
10.																																																																																																																																																																																																																																																																																																																																																																
11.																																																																																																																																																																																																																																																																																																																																																																
12.																																																																																																																																																																																																																																																																																																																																																																
13.																																																																																																																																																																																																																																																																																																																																																																
14.																																																																																																																																																																																																																																																																																																																																																																
15.																																																																																																																																																																																																																																																																																																																																																																

RELINQUISHED BY: 
 PRINT NAME: Charlie Marshall FIRM: BRISTOL
 RELINQUISHED BY: DATE: 6/21/01
 PRINT NAME: TIME: 1605

RECEIVED BY: 
 PRINT NAME: Tim McKeown FIRM: NCA
 RECEIVED BY: DATE: 6/21/01
 PRINT NAME: TIME: 18:09

ADDITIONAL REMARKS:
 COC REV 3/99

TEMP: 6.2
 PAGE 1 OF 1



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/21/01 18:09. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106065



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/22/01 16:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMC4103SL	M106065-01	Soil	06/21/01 17:40	06/21/01 18:09
01AMC4104SL	M106065-02	Soil	06/21/01 17:45	06/21/01 18:09
01AMC4105SL	M106065-03	Soil	06/21/01 17:50	06/21/01 18:09

C.O.C. #102

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

1 of 4



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/22/01 16:36

Hydrocarbon Identification per NW-TPH Methodology North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC4103SL (M106065-01) Soil					Sampled: 06/21/01 Received: 06/21/01				
Gasoline Range Hydrocarbons	ND	9.56	mg/kg	1	NWTPH HCID	06/22/01	06/22/01	0106072	
Diesel Range Hydrocarbons	933	23.9	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	47.8	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>111 %</i>	<i>50-150</i>							
01AMC4104SL (M106065-02) Soil					Sampled: 06/21/01 Received: 06/21/01				
Gasoline Range Hydrocarbons	ND	10.2	mg/kg	1	NWTPH HCID	06/22/01	06/22/01	0106072	
Diesel Range Hydrocarbons	283	25.5	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	50.9	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>129 %</i>	<i>50-150</i>							
01AMC4105SL (M106065-03) Soil					Sampled: 06/21/01 Received: 06/21/01				
Gasoline Range Hydrocarbons	ND	10.3	mg/kg	1	NWTPH HCID	06/22/01	06/22/01	0106072	
Diesel Range Hydrocarbons	41.2	25.7	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	129	51.4	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>98.1 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/22/01 16:36

Hydrocarbon Identification per NW-TPH Methodology - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 0106072 - TPH-HCID (WA)

Blank (0106072-BLK1)

Prepared & Analyzed: 06/22/01

Gasoline Range Hydrocarbons	ND	10.0	mg/kg
Diesel Range Hydrocarbons	ND	25.0	"
Heavy Oil Range Hydrocarbons	ND	50.0	"

<i>Surr: 1-Chlorooctadecane</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>	<i>105</i>	<i>50-150</i>
---------------------------------	-------------	--	----------	-------------	------------	---------------

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/22/01 16:36

Notes and Definitions

A-01 Acceptance criteria for gas and oil CCV exceeded high. Sample results are non-detect and are not affected. DoD QSM Draft 5.9.4.2.E.1

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

4 of 4

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106065 FINAL 06 22 01 1636.mdb Default Report (not modified)
M106065-02	NW-HCID mod		A-01